

IN THE SPECIFICATION

Please delete the original Abstract of the Disclosure on page 12, line 1-prenumbered line 16, in its entirety and insert the following:

ABSTRACT OF DISCLOSURE

The present invention relates to a system for transmitting data over a physical resource, comprising a layer configured to manage the physical resource and to guarantee a quality of service, a first sub-layer configured to supply a transmission support in accordance with the quality of service and to segment the data into transmission units, the first sub-layer reducing a size of at least one of the transmission units when transmission conditions on the physical resource are degraded, a second sub-layer configured to transmit at least one of the transmission units over the physical resource during each of transmission time intervals, the transmission time interval being a periodic time interval during which the second sub-layer is allowed to access the physical resource, and a physical layer configured to perform error correction coding or decoding of the data.

Please insert the following heading before the title beginning at page 1, line 1:

TITLE OF THE INVENTION

Please insert the following heading before the paragraph beginning at page 1, line 2:

BACKGROUND OF THE INVENTION

Please insert the following heading before the paragraph beginning at page 3, line 12:

BRIEF SUMMARY OF THE INVENTION

Please insert the following heading before the paragraph beginning at page 4, line 1:

**BRIEF DESCRIPTION OF THE SEVERAL VIEW OF THE DRAWINGS**

Please insert the following heading before the paragraph beginning at page 4, line 10:

**DETAILED DESCRIPTION OF THE INVENTION**